



	observation	anterence.
o.s cm3 Aithratot Restly Prepared sot Resourboil 1001 8 odd excess of Has do 4.		Nitrogen Is
of 51. Sodium nitroprosido Soludion	Ho niglet colona is	sulphur is absent.
+ Ag Nog Solvetion	precipitata is not obtained	Hologen is absent

conclusion: The given compound contain C, H, [a] elements.

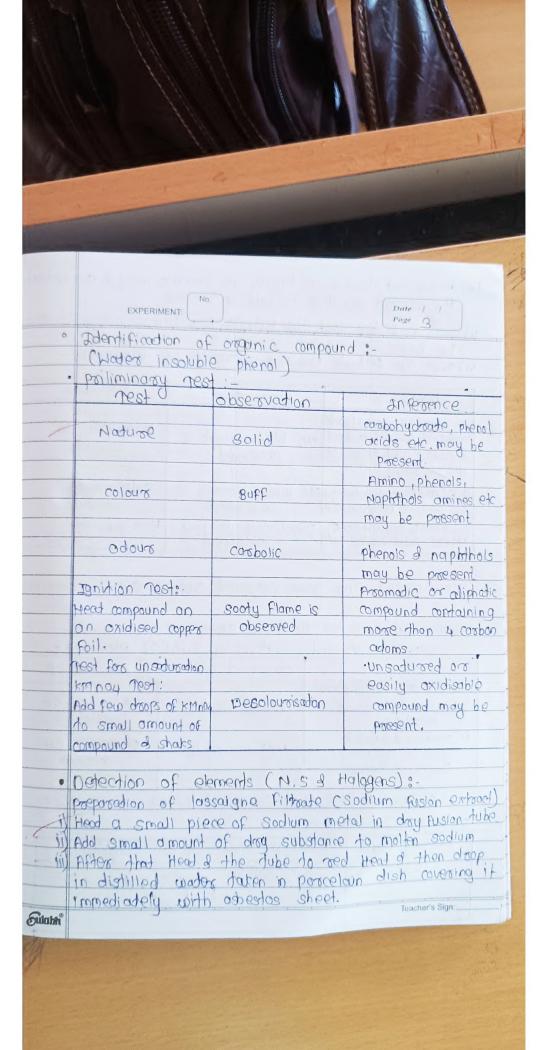
• perfermination of the functional group of compound:
Group I: compounds containing C, H, [a] elements:

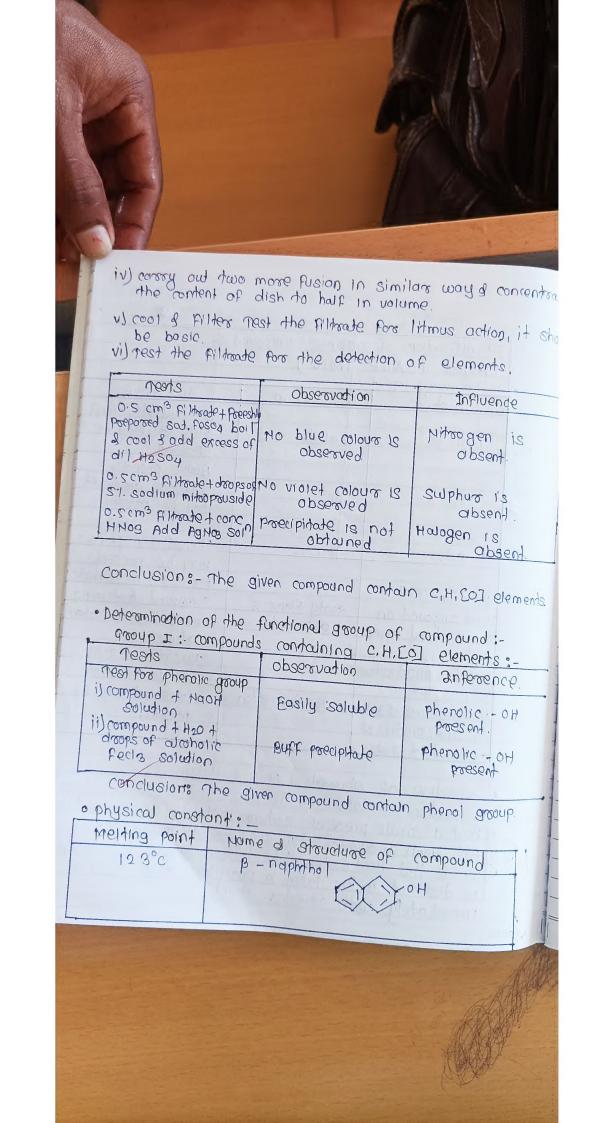
	المرابع	of elements:-
Test for corboxylic A	observation	an fewences
is compound + 209 HOH	log efferencense	Carboxylic acid - cooth present.
drop of neutral fools	BUFF COLOUR	Benzoic and is
Conclusion: The		harded langer

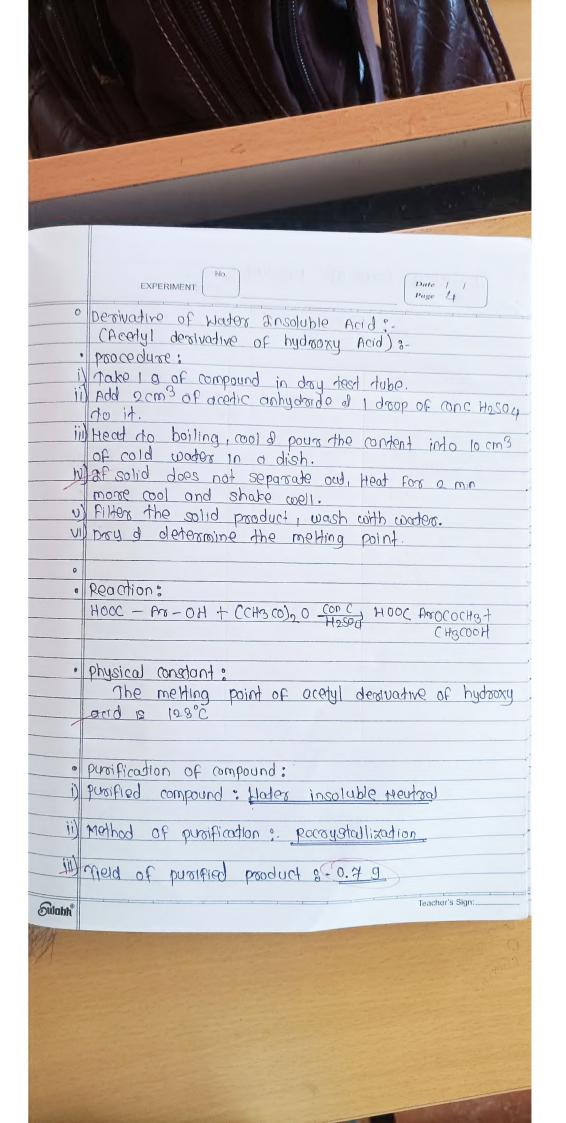
Conclusion: The given compound contain Ar- COOH Functions

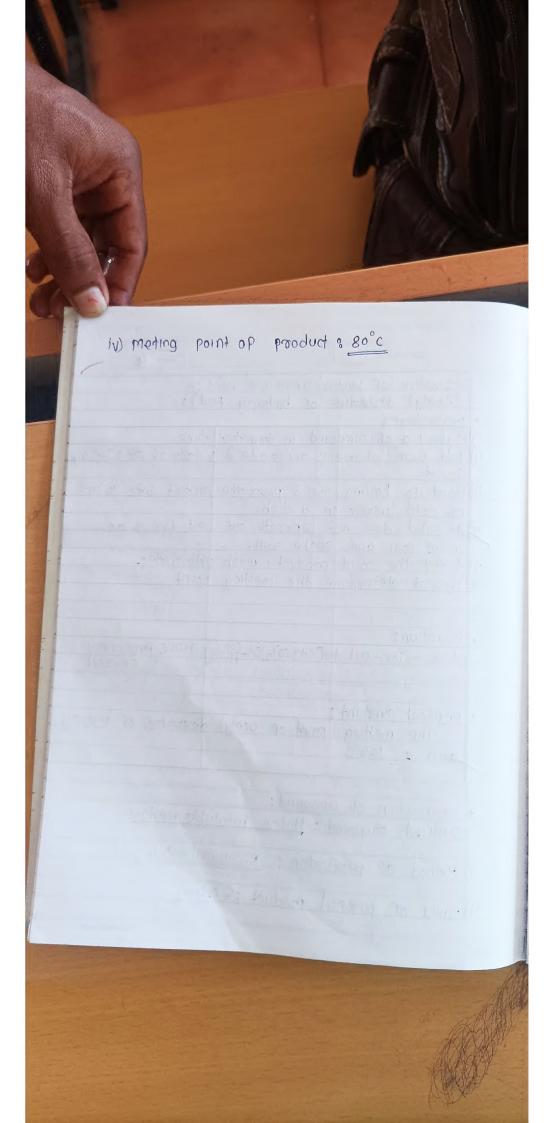
· physical constant :-

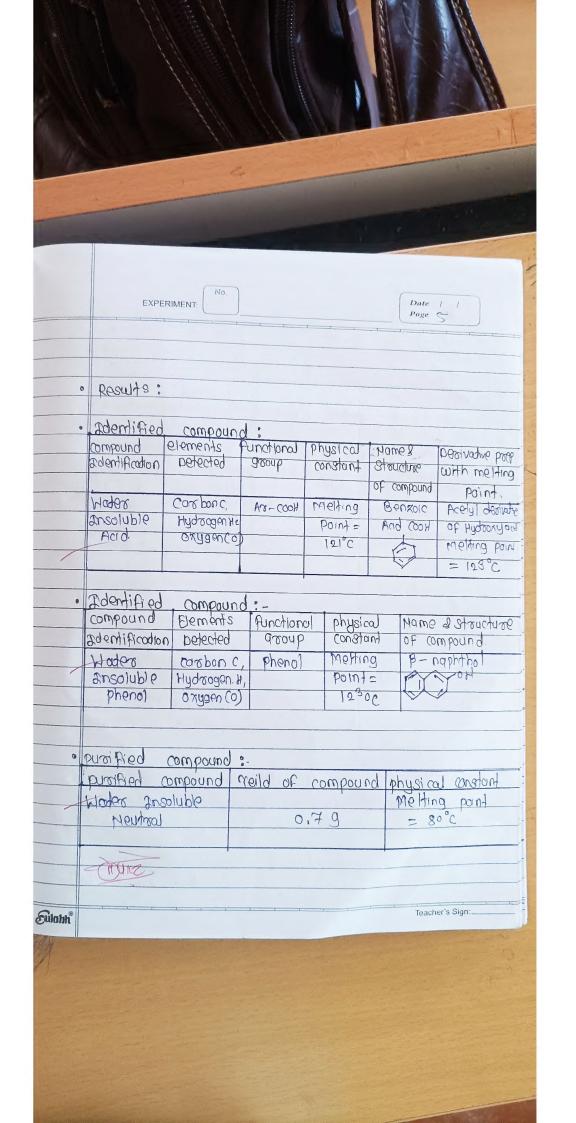
melting point	Hame and atancture of the comband
121°C	Benzoic acid coot

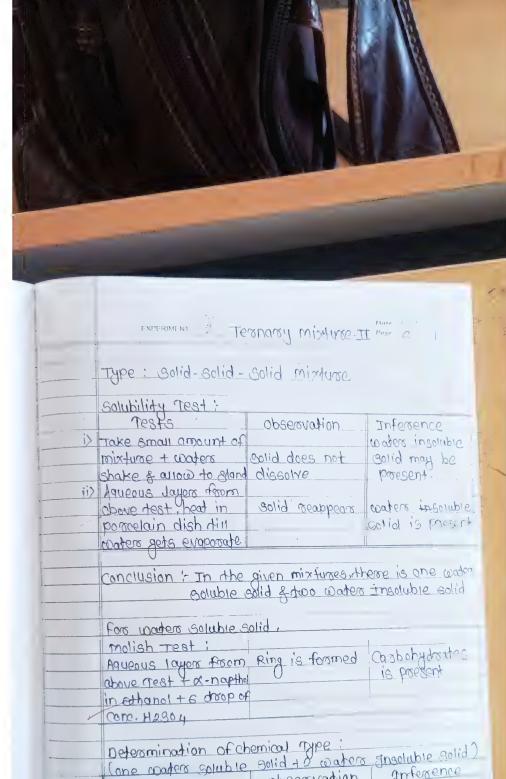












Determination of chemical Type:

Cone maters soluble golid + 2 waters gnocluble golid)

Cone maters soluble observation arriemence

For waters soluble

Solid: 0.01 g mix + H20

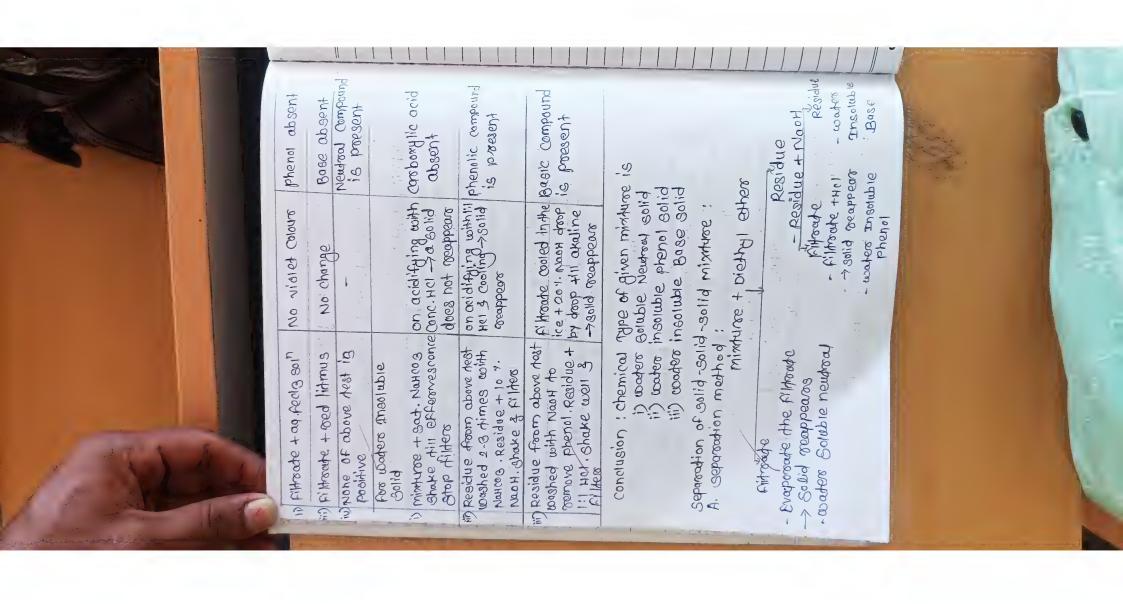
Shake & filters

Tilto are + Sat Nances No efferivens come cambo xylic and ahans

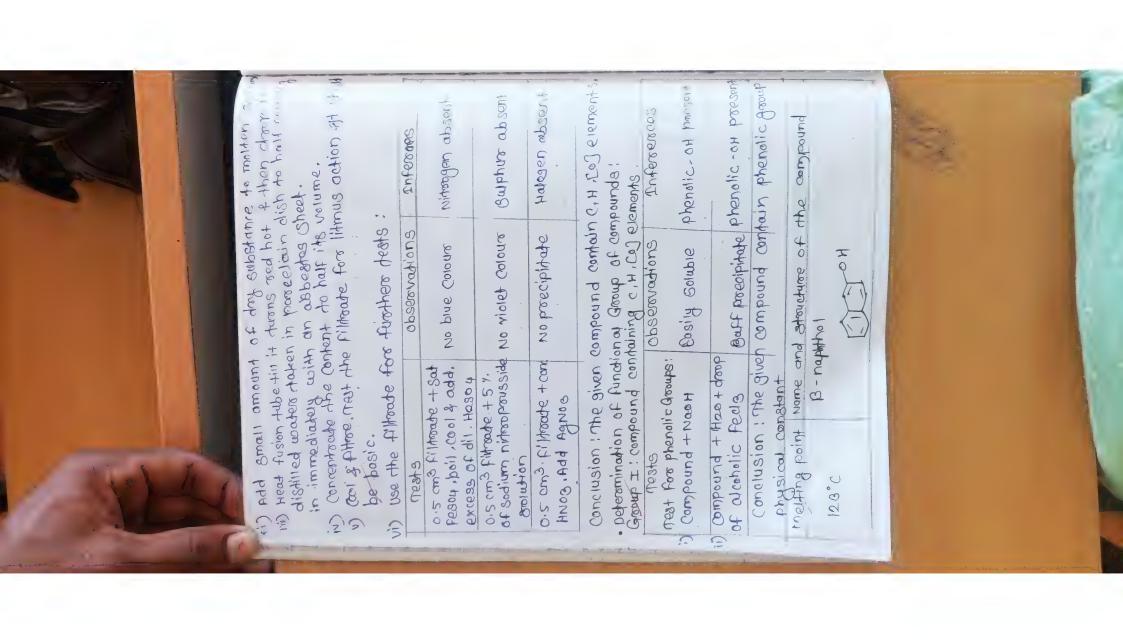
Tilto are + Sat Nances No efferivens come cambo xylic and ahans

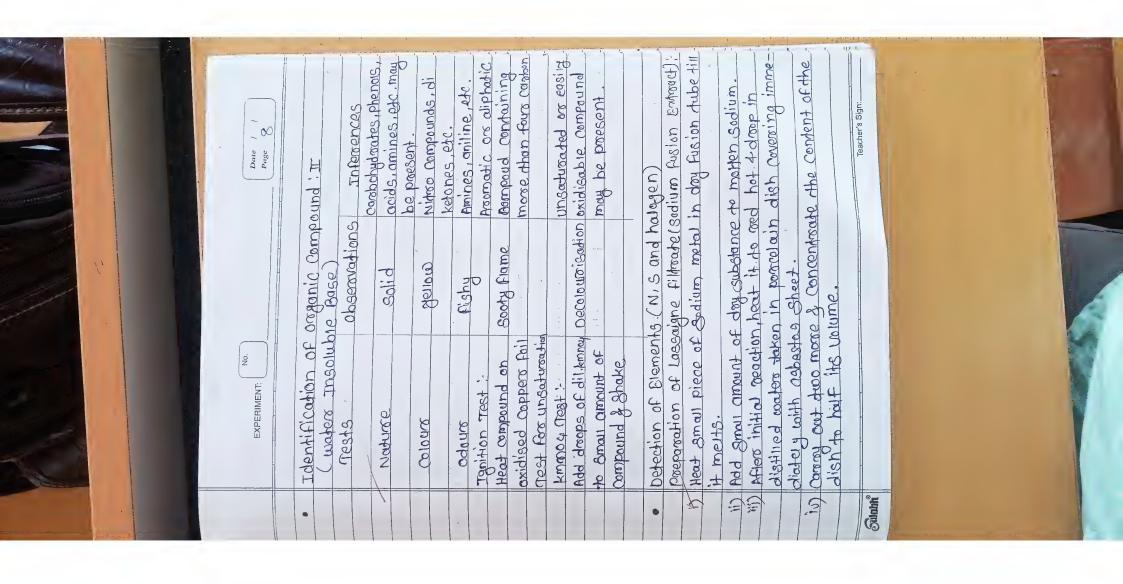
Total are + Sat Nances No efferivens come cambo xylic and ahans

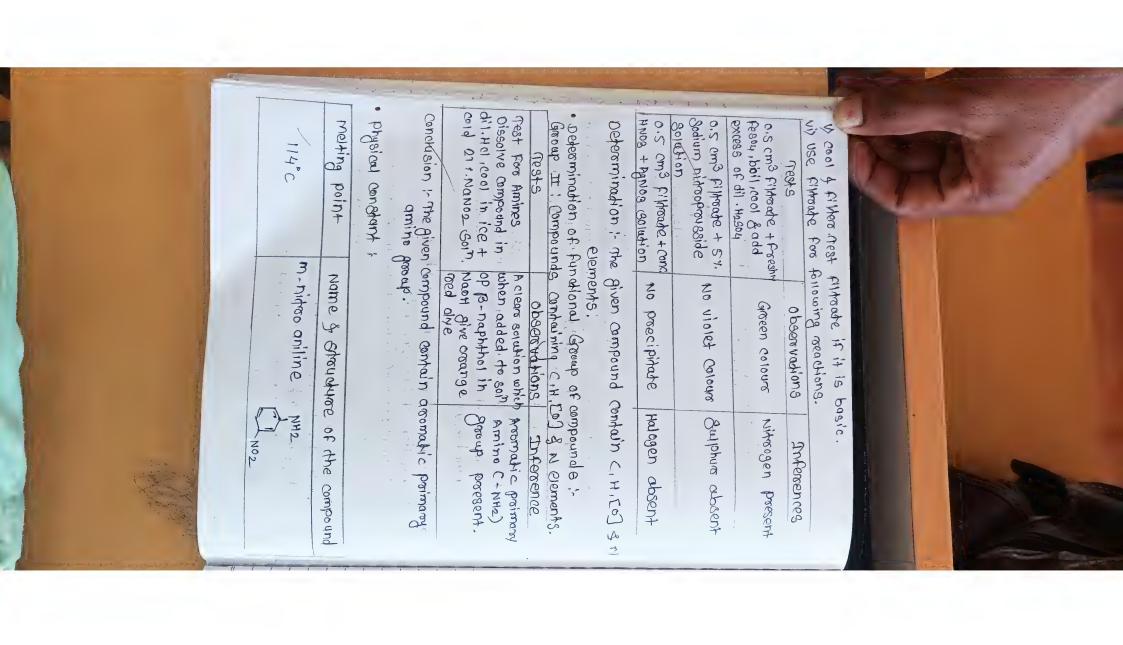
Sulabh

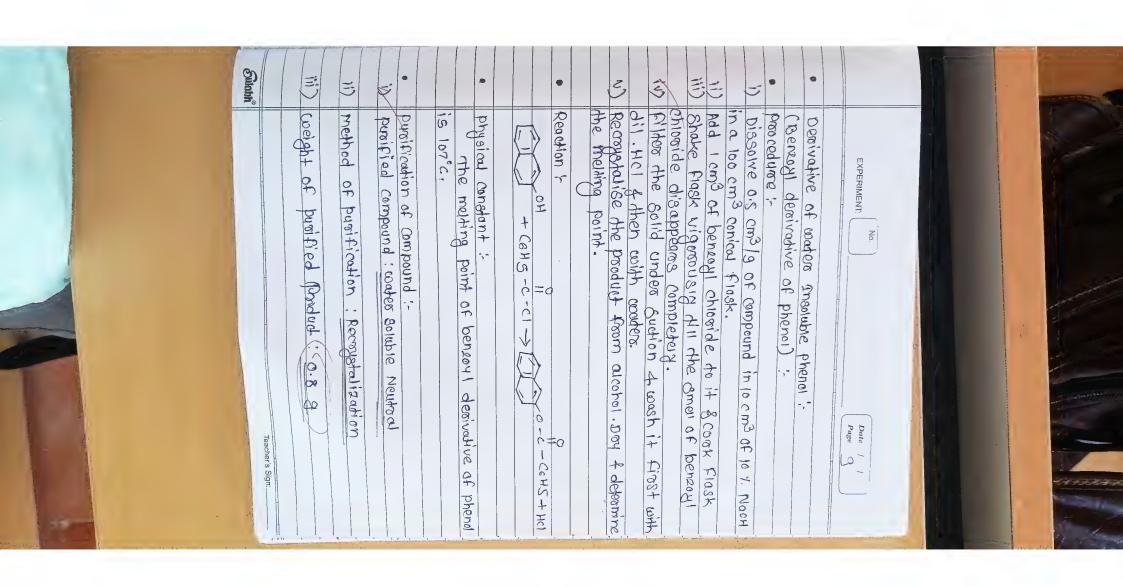


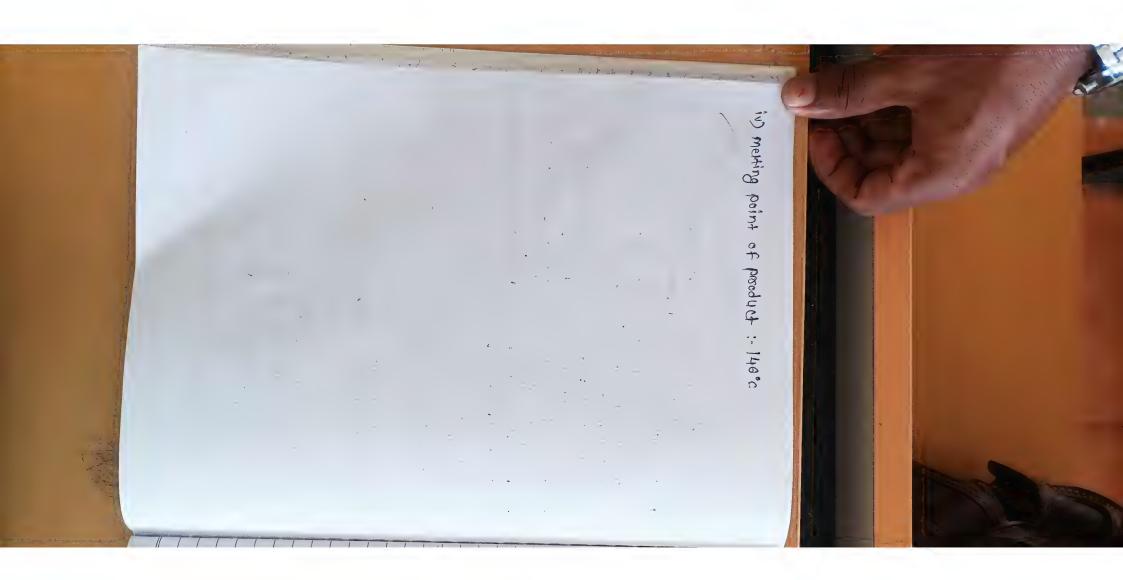
Date	Courts See		Observations Inferrences Carbohydrates, Phase	ddish	Flame		Decelourisation easily oxidisable Compound may be personn.		Defection of Elements (N.S. & halagen); in Entrant) Appropriate Codium Rusion Entrant) Head Email please of Godium inetal in fusion make the in	Teacher's Sign:	
EXPERIMENT	6. yieth of the Separaching compound is weight of wooders soluble solid rish weight of wooders Insoluble phenish they are conders and while Bo	Identification of or Cardon Insoluble por Treate	Noby ore		ranition rest	5	few draps of the kmm of the I diment of	Shake Compound of	Defection of Element Propagation of Lass	meths.	The same of the sa

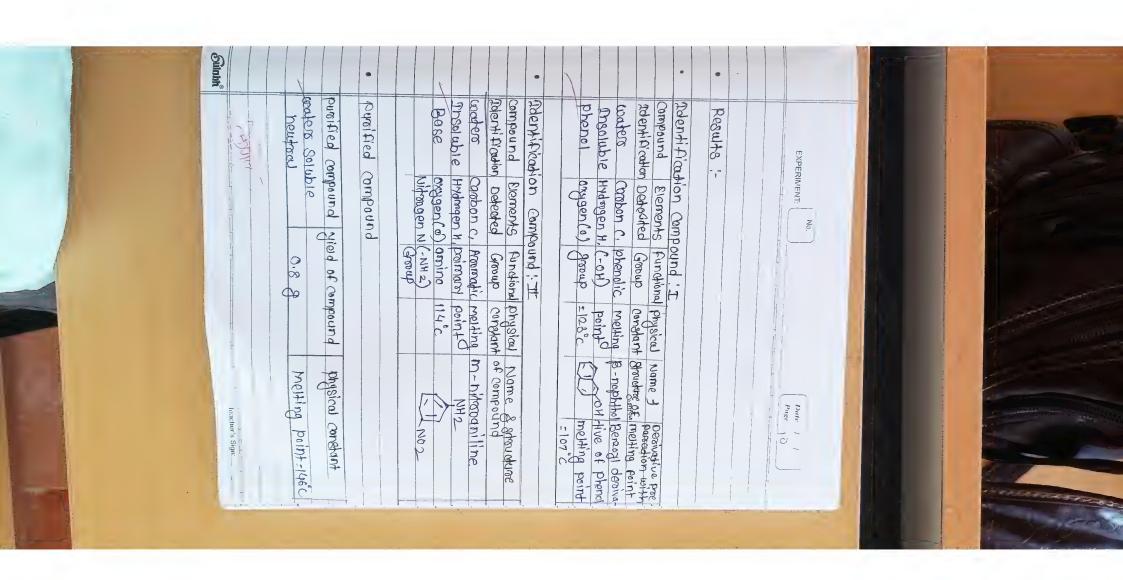




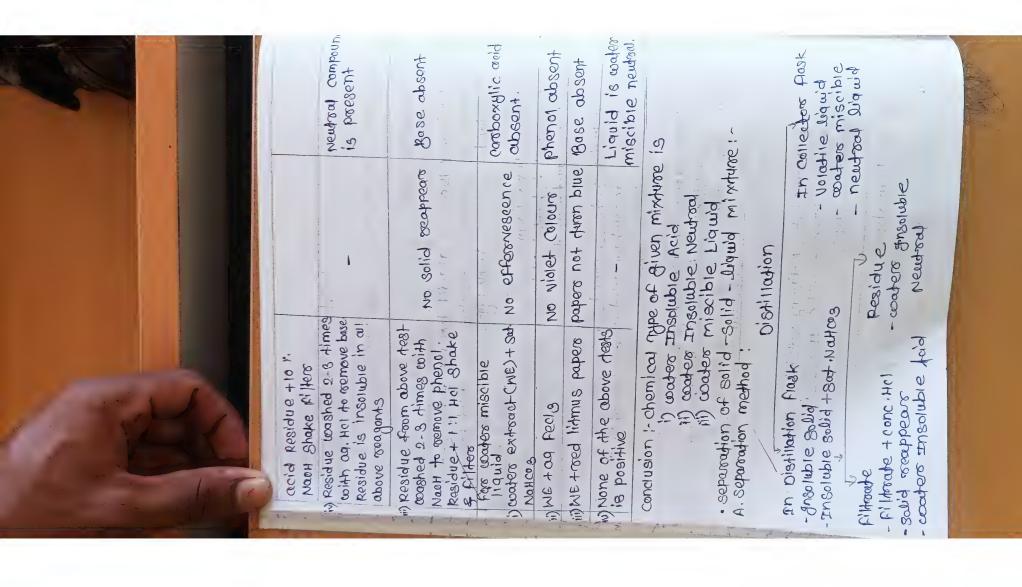








EXPERIMENT (1) Solubility (1) Solubility (1) Trests (1) Solubility (1) Trests (1) Solubility (1) Solubility (1) Trests (1) Trests (1) Trests (1) Trests (1) Conclusion (1) Conclusion (1) Conclusion (1) Trests (1) Conclusion (1) Conclusion (1) Trests (1) Conclusion (1) Trests (1) Conclusion (1) Trests (1) Conclusion (1) Trests (1) Trests (1) Conclusion (1) Trests (1)			
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nti			
	EXPERIMENT:		Date
	B. Tield of the separating compound i) weight of water Insoluble Acid ii) weight of water Insoluble Newton III) weight of water misciple siquid		Acid = (0.9 8 Newdray + (0.7) & Wigwid = (2.5) mi
•	Identification of Organic Cwater Insoluble frent Poeliminary nest:	punoc	H.
	16845	observation	Inferences
	Naturae	Solid	amines, etc. may be
	Colour	white	
	odour	Fram'th	Asomptic hydrocuspin
	Acad For unsaftration kmnoy (Test :- Add. dil kmnoy to Small amount of Omp	Decologacisation	Deceloyaisation unsaturaded or espiral exidisable compound may be present.
	Desco Prepar	AS CN, S & HOLOG ne Filmonte (Sod) codium medal in	en); ium Fusion entract);
Sulath.			Teacher's Sign:
Company of the Compan			
	The Miles of the State of the S		



till it melts.

i) Add small amount of compound to the molden solution.

ii) After initial reaction, heat the fusion tube to red heat & the fusion fube to red heat it drop in distilled exactor taken in porcelain distilled exactor taken in porcelain distilled exactor

immediadely with asbestos sheet.

12) carry duo more fusion & concentrade the content to half to volume.

y) cool of filter, nest filtroope the lithings action. It should be b vi) That the filthouse for following reachions.

Nimogen absent	Bulphur absert	Halogen absert
Observation	No violet colour	no paecipitate
Festors Altrage + Freshird Fessoy, boil, cool & add Excess of dil. Hasoy	sodium nitropousside No violet colour Buphur absert	HNOS Add Agnos

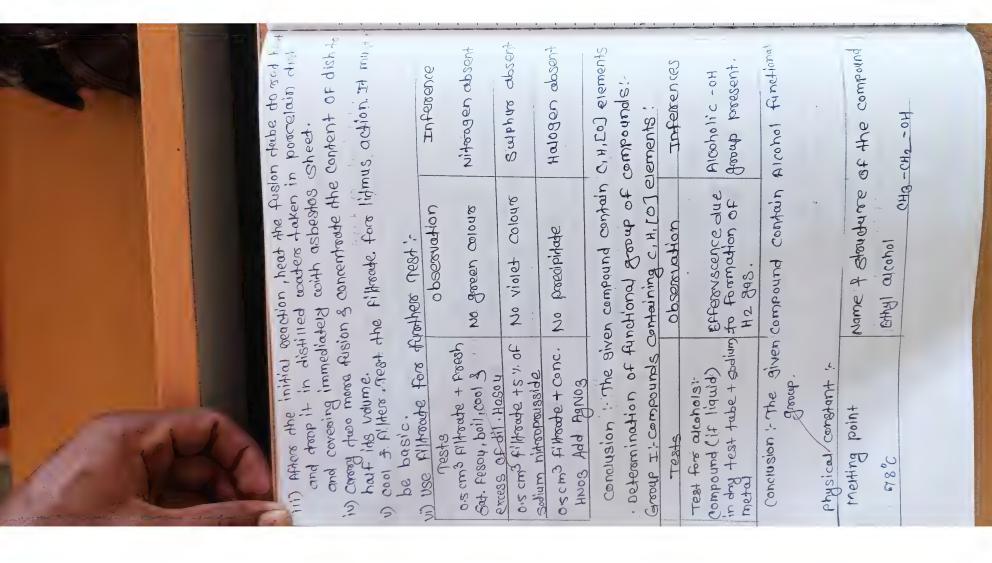
Conclusion: The given compound contain c, H, Co] elements.
Determination of functional group of compounds:
Group I: Compounds containing Cit, Co] elements:

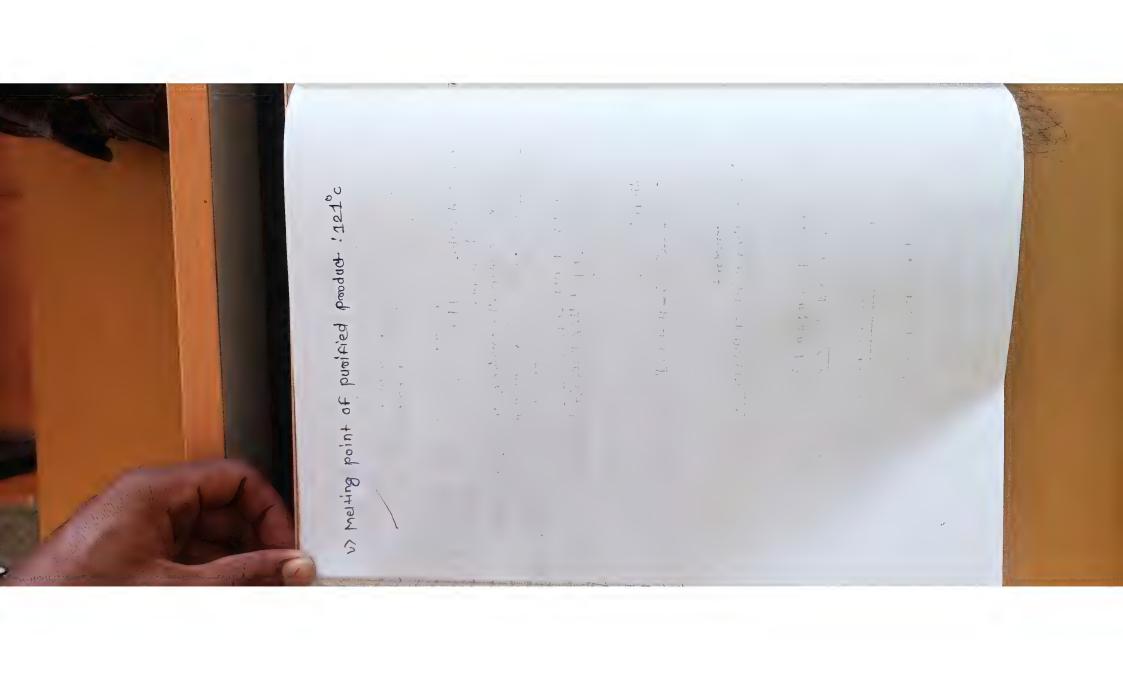
Tolowood				Androcarben of			
Observations				Colmans Ceman	Violet in Colour		
1848	Test for hydrocarbon	Todine Test;	Dissolve 2-3 doops on salutions	0.02 g compound in	d	in benzene . Shake .	

MEBER

Conclusion : The given compound contain hydrocorben

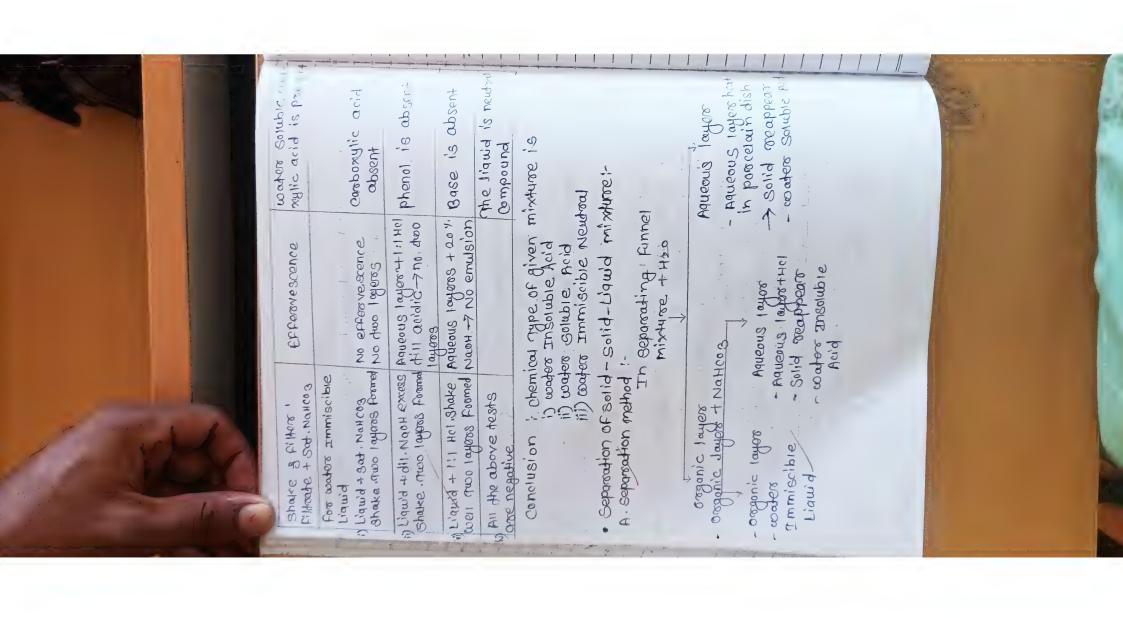
Experience of the compound of



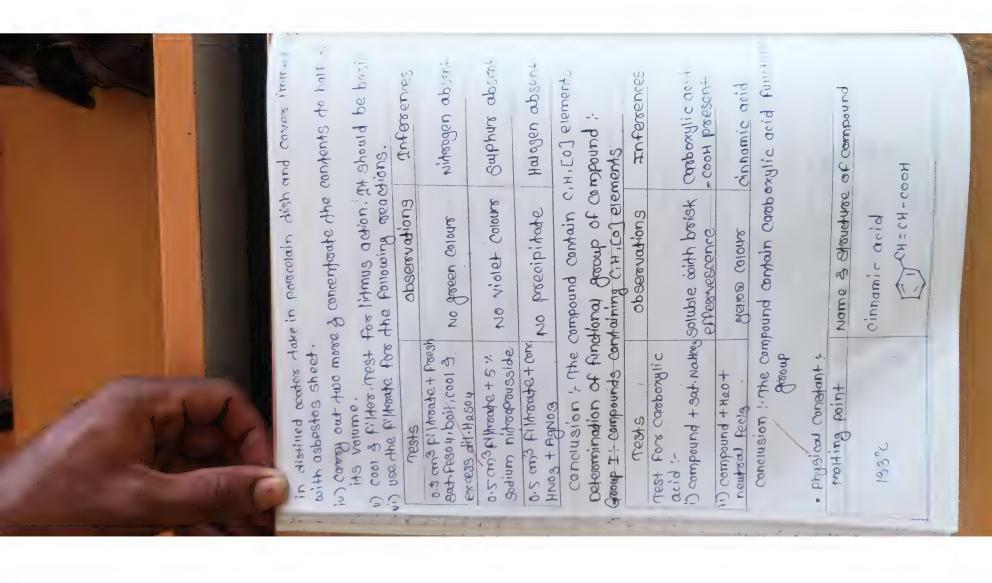


	Date Page 1
Results '-	
Adentified Compound: I compound to Elements Functional physical Indentification Detected Group constant	lord physical name & Cermative on
coapers Coopen c, Hydros Insoluble Hydrogen # Coopen	
Identified Compound: It compound Elements Functional Identification Detected Group waters carbon c, Alcoholic priscible Hydrogen H (-04) Ugwid Oxygen (0) Group	Functional physical Name & Shauting Group Cension of Compound Alcoholic Melting Ethyl wice held (-64) point CIHSTICH Group 78°C
purified compound the content through the property of the content	Hield of product physical constant

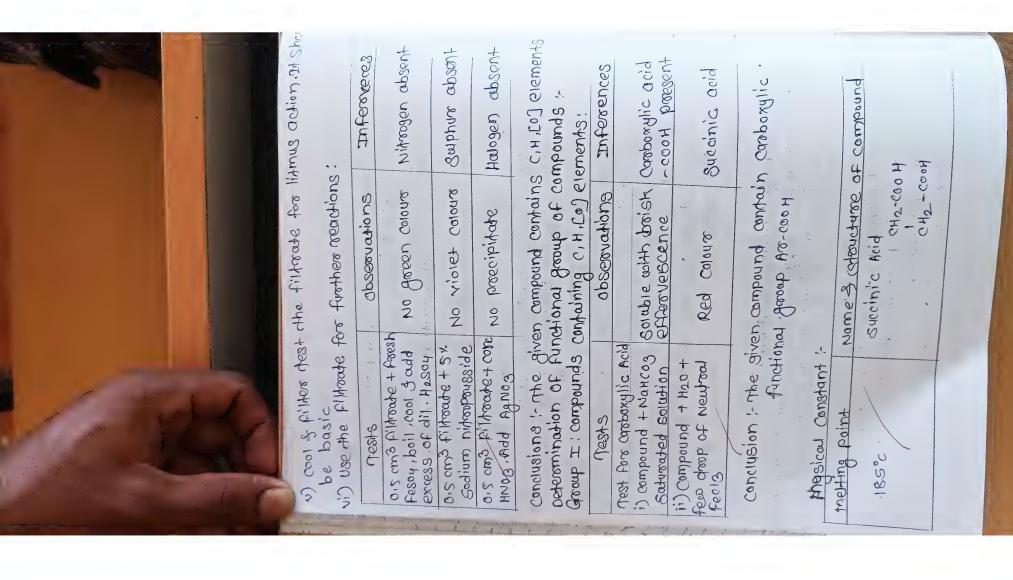
Ē	EXPERIMENTE (1) TESTIGNEY MIXMURE-IY (Pure 1)
S . E 3	Test: Observation + 420 shated a) solid does not ow to stand alissoine b) Theo layons and
885	Agueous layers from to be be be to be
8	Conclusion: The Compounds In the given mixture are mater soluble solid, water soluble solid.
036	Deformination of Chemical Mype: Coader Insoluble solid + water soluble solid + water Immiscible Liquid)
2 8 6	Insoluble Cook and Stranger of Administration of
	Prosent Carboxylic Confirmed
200	b dolor
Sulatin O.0.	DI g mixture + 420

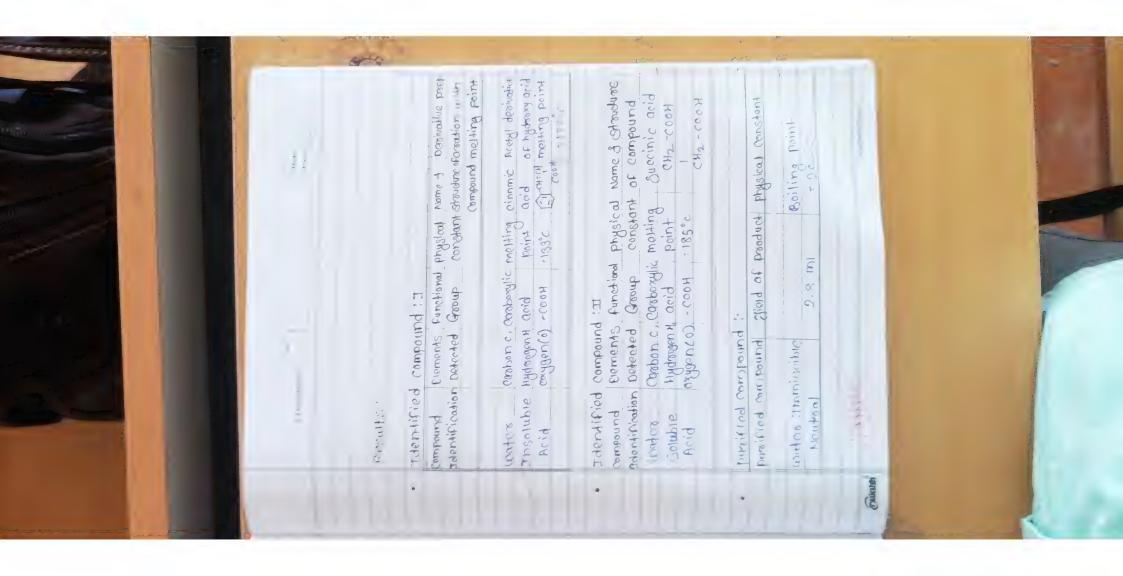


EXPERIMENT: No. 1 Parce 1 Parce 1 Pa	ganic Dampound: I	2000 by do	odours pungent & Acetic acid acid Tanktion Test: Heat Compound on an gooth Flame compound morethan oxidised (Copper Foil) Rest For unsaturation: And clil. Kmnoy to comp Decolourisation oxidisable comp and shake	Deformination of Elements (N.S. Halogens); Preparation of Lassaigne Filhrage (sodium fusion entrant Heat Small piece of Sodium metal in dry fusion dube the it mots. All it mots. Add Small amount of Compound to it is and then put it Afters that, heat the tube till it red had made sign	
B. Mield of the Separating Compound:) weight of corders Insoluble Acid = 0 i) weight of waters Throlluble Acid = 0 ii) volume of waters Immiscible Newfor	Tdentification Of organic Dompound: I (coater Insoluble Acid) Poretiningry Test: Tests	Nature	Tankion Test: Heat compound on an oxidised (Copper Foil) Test For unsadyradion: And dill. Kmnoy to comp	Objectmination of Elem Preparation of Lassaign i) Heat Small piece of Sou thi it mots. 11) Add Small amount of 111) After that heat the tal	

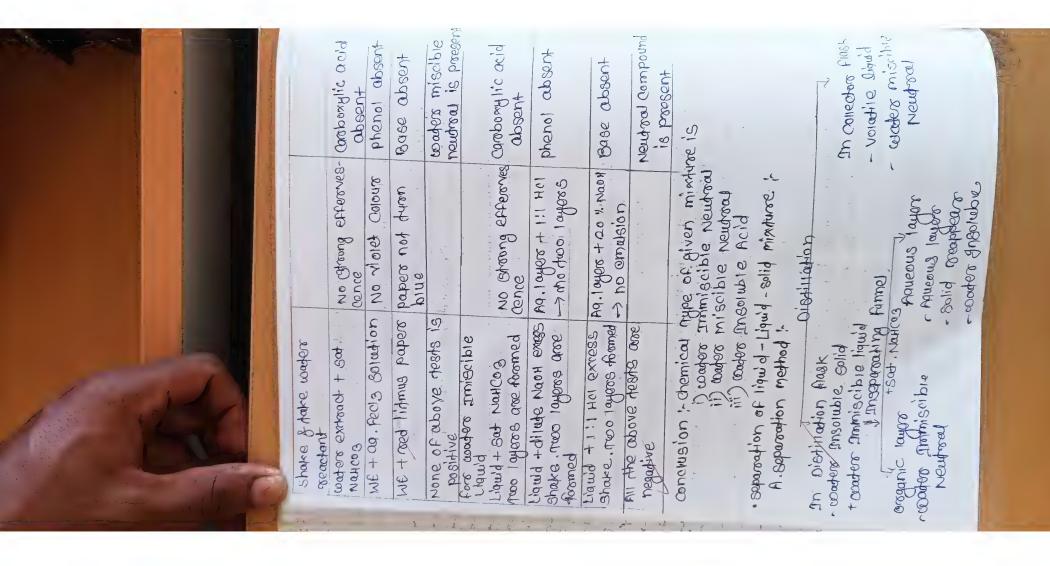


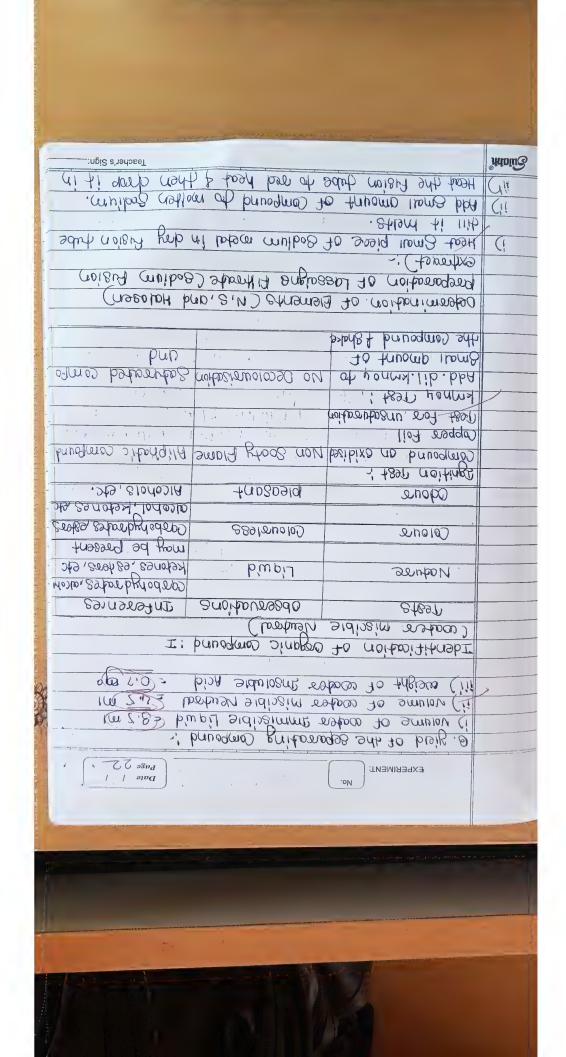
	EXPERIMENT: No.
	on of organic Compound-IT
	observations
	0000
	Colours white antides, ketones etc. Odours purgest & Ivaility, Aretic acid, aretic
工论	ox41. Soony Flame
0 5 -	Gest Propose rounding Grand Grand Grand Combon.
A and a	Add. dill. kmnoy to small Decolourisation Oxidisable Compound amount of Compound 2 show
TO O	Detection of Elements (N,S, Malogen):
- E	Dropgration of Lassaigne Filtroate (sodium Fusion Partour)
1	Aill it melts. Add a small amount of compound to mother sodium.
	distilled water in porcelain dish covering immediately coith adhesions sheet.
3 +	Hong out two wood to many the half in volume.
Sulatish ®	

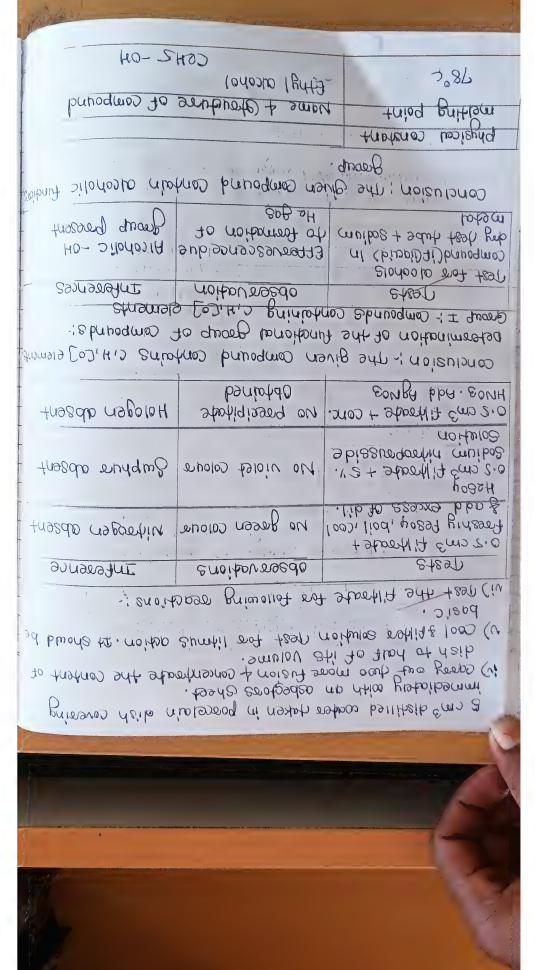


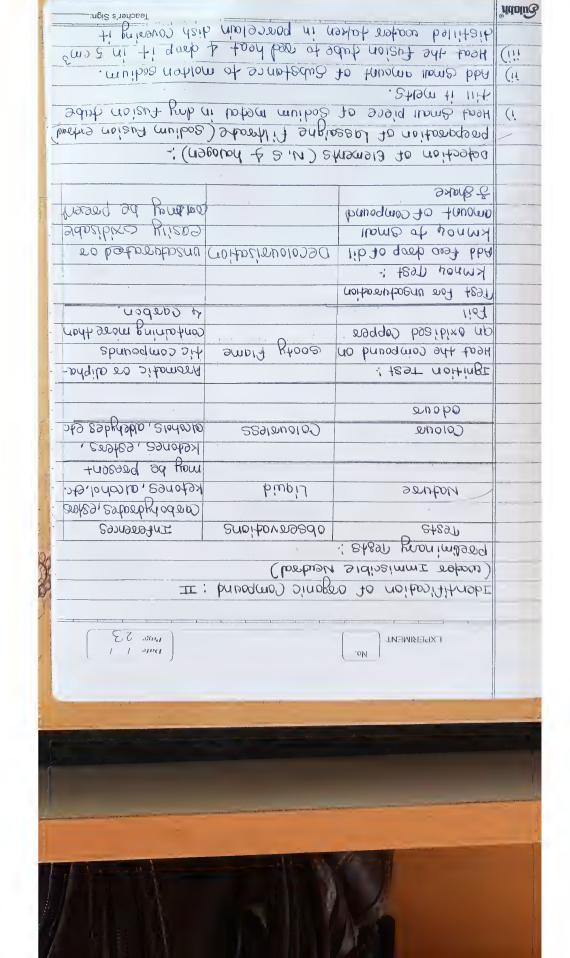


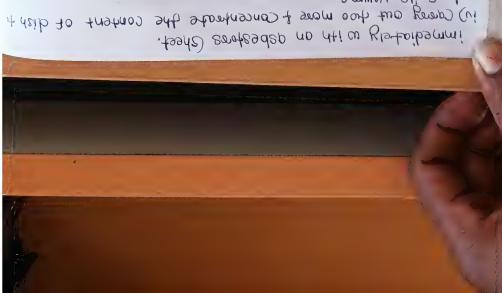
· · · · · · · · · · · · · · · · · · ·		-4	
	BREE: Liquid - Liquid - Solid Mixture of Mix	6.5 Cm ³ liq. + 2 m ³ Hp.0	











v) (001 & Filter the Goldtion. 1728th for litmus action. It show hat the volume. in) comey out two more & concentrade the content of dish t

be bosic grade for the following reachion.

14 17 10 00 11 0	3,543.0	mer to ado a deignife del
0 /		BONBA PAN. EONH
Horadon absorbt.	No protoipitate	6.5 ans filtertent conc.
112222		nothulos shizeurgootin
Supplie absent	No violet Colona	anibos x 2+ stootlit Emo 2.0
^	. ^	of dit. 4080h
hildrangen absent	no duscol volonie	Resoy boil, cool & add excess
·	Contract	Cos cmo tiltrante + freeshy sexcess
20100001nE	enotherseedo	Stean
	1.1. (D	or 3000 MH 34H 430L (in

offermination of functional group of compound: conclusion: The given compound contain Cities element.

Group #: Compound containing C, H, Co) Elements

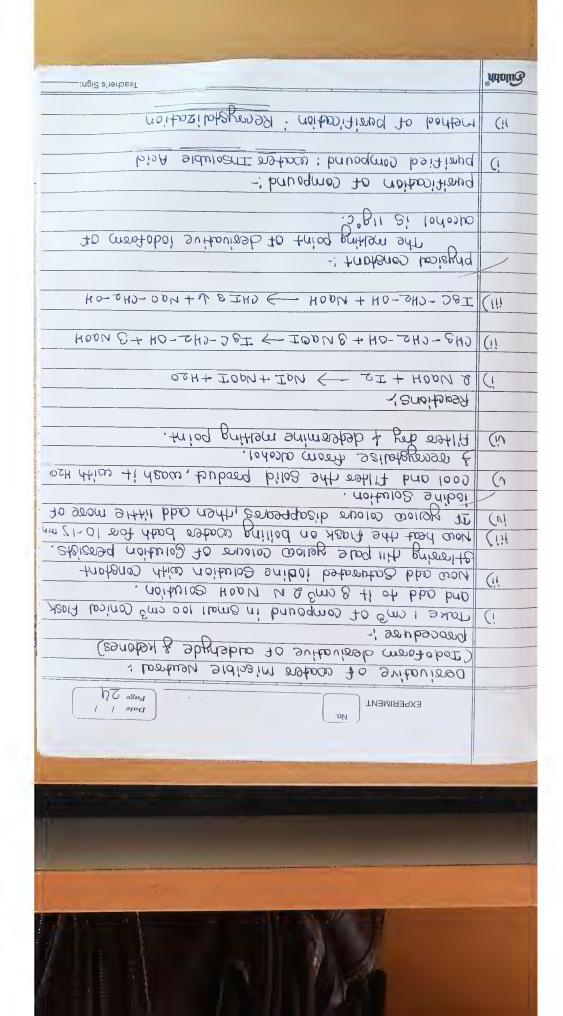
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besseut romos kotous	puolos bor saimo so so sucho so sucho such	Compound + Mach + 12-3
- Inferences	dottovagedo	stean anotal and extern

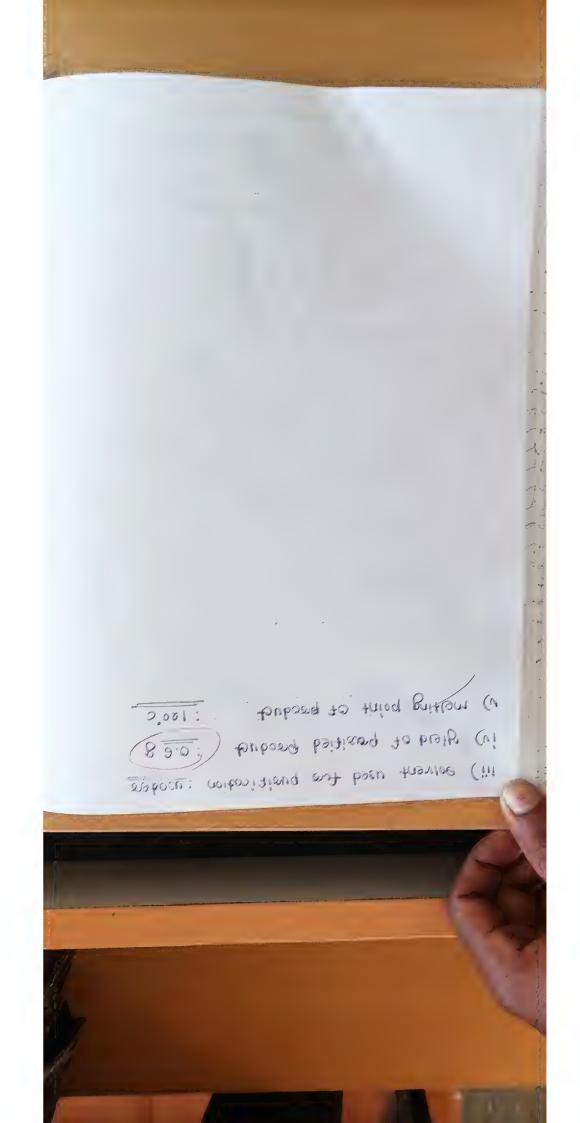
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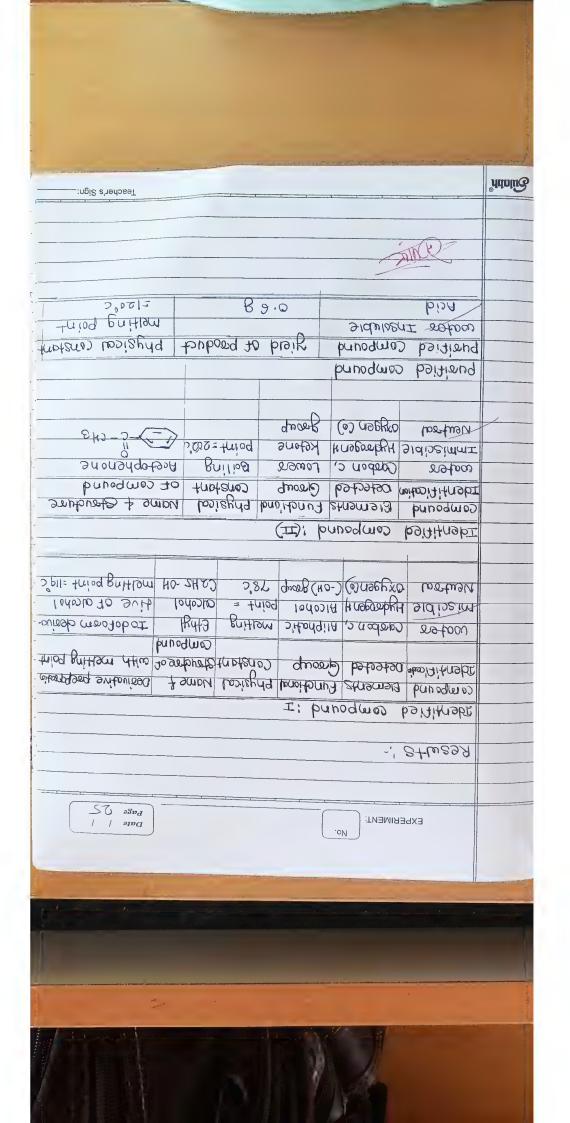
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Acetophenone 2000 triog prilliag Nome of Standards of Compound taiod Brittom

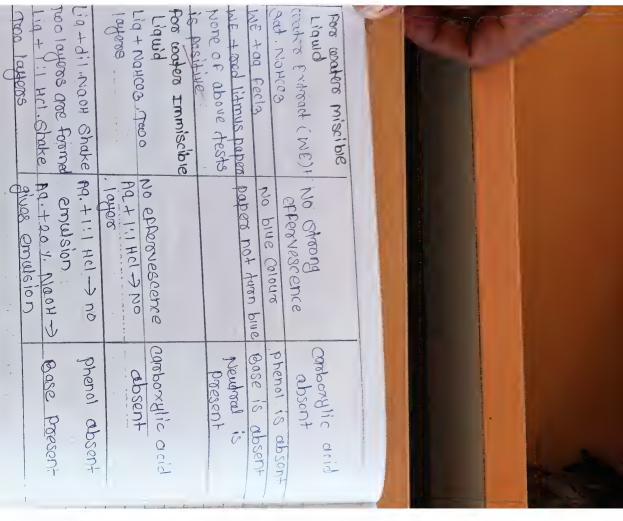








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Cooder Impiscible Liquid + wooder miscible liquid + wooder Insoluble Solid) Tests observedions Inferences for wooder Insoluble bilid	61
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tograph of a leader well to lead	
Pilos sidulozai orthor & himpil	
water immiscible liquid, water misci	
conclusions: The compounds in the minhure are	
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Stores & check after mixture demeased liams present	
sidisain roward the quantity of wason niscible	
. tropaga bimpil borned. Dot	
Shand by Two 104000 are water Immiscil	
Shake & allow to dissolve, a. solid present	
Sold of the sold o	7.
esinosofut, anotherosodo etest etesticos	
1 stoom 14 hidales	
goutain bilos - biupil - biupil -: 99BT	
EXPERIMENT: 6 TESTIGEY MIXTURE TYPE 26	
. ON	
k	



Conclusions Chemical Type of mixture are in

water immiscible base water Insoluble phenol Newhood

separation of liquid - Liquid - solid mixture:

A. separation method

Distillation

In distillation water Insolution phenoit MODH FIOSK

organic layors In Separating funnel

> - coaters miscible, - voiabile liquid

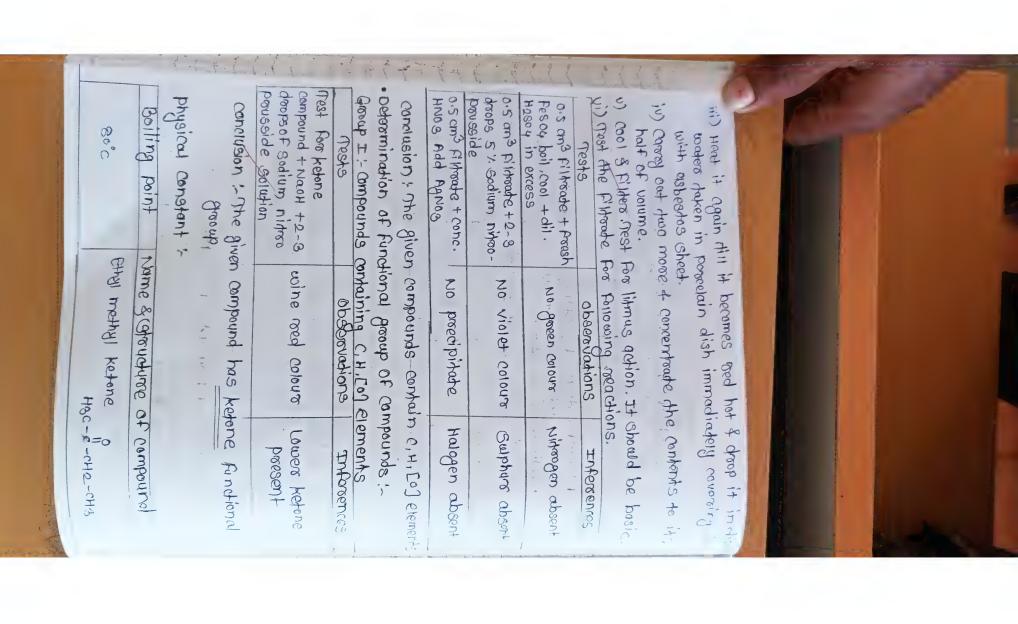
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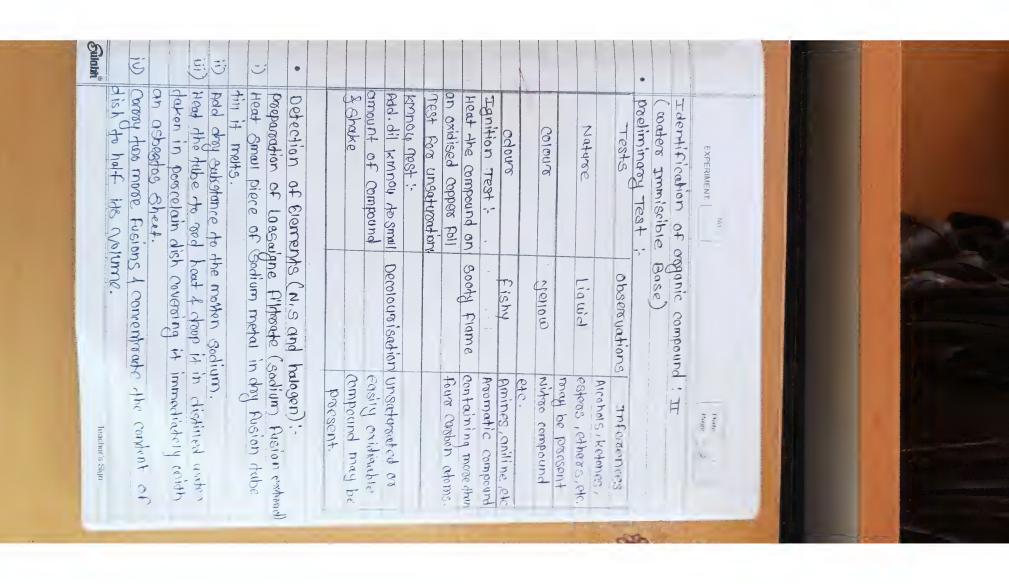
- water Intiniscible Aqueous layor + Hell-- Organic layor - water Insoluble

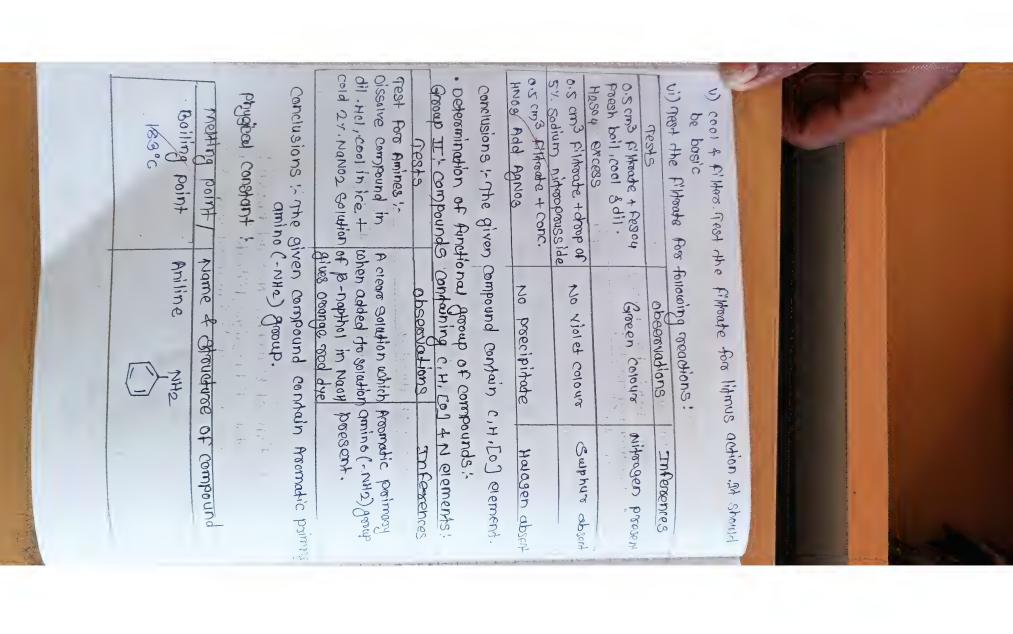
phene

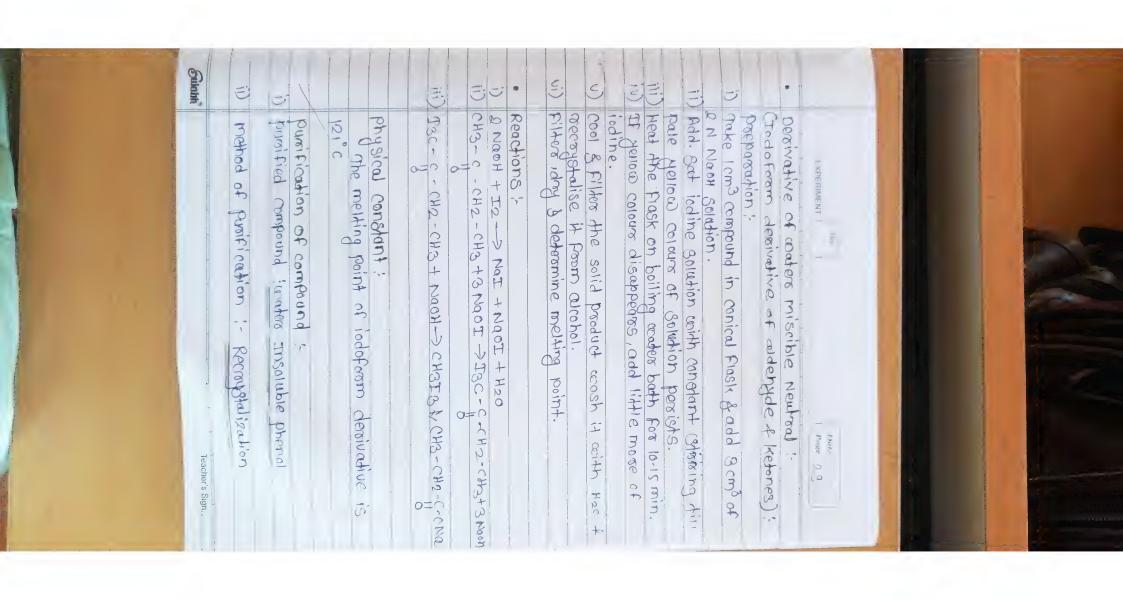
Base

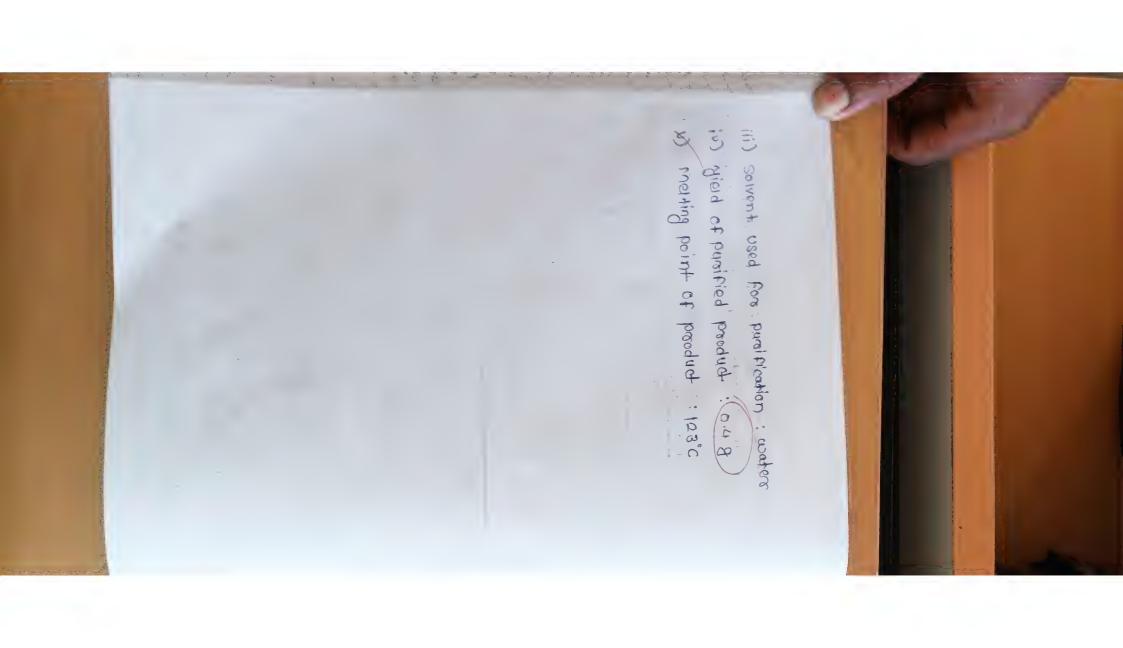
	B. yield of the sepassating compound: 1) volume of coulor strictible pass. 2.8 milli) uniume of coulors inistible pass. 2.8 million oderation of colors in day furnities. Anniet compound and an on No south flame pliphable compound and the colors in day fusion duties in mate. Tanhin Test: Tanh		rount of compound to malten sodium.	Sulation
			rount of compound to mother sodium.	
			mount of Condition in Old tubion delice in	
			of Lassaigne fittantel sodium to in em	
Jield of the separating compound: Items of antes Immissible Base. 27 Volume of water Insoluble phenol = 6.6 g Weight of water Insoluble phenol = 6.6 g Inference alcohols, kelone alcohols, kelone be present phenols, kelone alcohols, kelone sed capper fail for unsaduration phenol for unsaduration phenol gadurated compound g shake	Jield of the separating compound: Jime of water Insoluble pasc. 2, 8 in weight of water Insoluble phenol = 6.8 material in weight of water Insoluble phenol = 6.8 material in weight of water Insoluble phenol = 6.8 material in weight of water Insoluble phenol = 6.8 material in weight rests: The miscible Neutral The miscible Neutral The water Insoluble phenol = 6.8 milide Alcohols, ketons Alcohols, ket	Jed of the separating compound: White of cortes insistive phenol = (5.6) White of cortes insistive phenol = (5.6	F Elements (N.S. & halogen):	
EXPERIMENT (No.) [Page 27] [Ich of the separating compound: [Interpretation of contains the Base. 2.8 in the selection of contains the phenol = 6.6 grant compound: [Interpretation of contains compound: I adentification of contains the phenol = 6.6 grant contains the present phonon of contains the present phonon of contains phonon phonon of contains phonon of contains phonon of contains phonon phonon of contains phonon of contains phonon of contains phonon	EXPERIMENT (NO.) I DATE OF THE SEPARATING COMPOUND IN THE SEPARATINE DASC. 2.8 IN Unitaria of crates I manistrible Dasc. 2.8 In Unitaria of crates I manistrible Dasc. 2.8 In Unitaria of crates I manistrible Delay Tests: Alian Test: Colours (Pauty Flame Aliabatic Compound on an No Gooty Flame Aliabatic Compound on No Gooty Flame Aliabatic Compound on an Ali	Jield of the separading compound: The separ	nake	Compound X S
Jield of the separating compound: Volume of cated ammissible Basc. 12.8 million of water Insoluble phenol = (6.6 alternation) Whitication of water Insoluble phenol = (6.6 alternation) Whitication of water Insoluble phenol = (6.6 alternation) Whitinary Tests: White Miscible Newtray White Miscible Newtray White Miscible Newtray White Miscible Newtray Alcohols, ketone alchols, ketone alcohols, ketone alco	EXPERIMENT (NO.) I COMPOUND (Personnent (No.) Itime of earlies Immissible Base 27 Itime of earlies Immissible Base 27 Itime of earlies Immissible Base 25.5 million of capanic Compound "I measure in the phenol - (C. 8) Itiminary Tests: Consorties Alcohols, kelone aldehyde.esc. or be provided and participation of caparity from estems, est. or capper fill For unsaduration on No sooty frame Aliphabic compound on an No sooty frame Aliphabic compound of the phenol capper fill Observations and independent in the phenol capper fill Observation of provide allegations and independent in the phenol capper fill Observation of provide frame Aliphabic compound on an No sooty frame Aliphabic compound on an No decolourisation gadurated compound on an No decolourisation gadurated compound on the phenology of the p		Add dil Kmno
EXPERIMENT [No.] Jield of the separating compound in the phenot of control phenot of the neutral 45.5 m weight of water Insolute phenot of the neutral 15.6 a misciple neutral information of compound in the phenot of the neutral information of control phenot of the neutral phenot of	Jield of the separating compound: Volume of coates Immissible Base. 27 Volume of coates Immissible Present Which Tests: Compound on an No Gooty Flame Aliphatic Compound Offer ungaturation	EXPERIMENT (No.) Page 27 Pricing of the separating compound in the cates inscribe phenol = (5.8 pm) Weight of water inscribe phenol = (6.8 pm) Weight		kmno4 Test
Jield of the separating compound: Juliane of crates Immissible Base. 2.8 mi Juliane of coates Immissible Base. 2.8 mi Juliane of coates Immissible Base. 2.8 mi Juliane of coates Imsolutive phenol = 6.6 g Matrication of organic Compound: I Meter missible Neutrau) Iminary Tests: Coloursiess aldehyde, etc. or Jaion Test: Ampound on on No sooty flame Aliphatic compound Sood cooper fail	PERPERIMENT [No.] Date Prison Prison Prison 27 Delivation of charles Immissible Bash. 12.8 Date Delivation of charles Prison Date Delivation of charles Date Delivation of c	Jied of the separating compound: The separating compound: The separating compound: The separating compound: The control phenol: Th	3	of
Jield of the separating compound: John of crates Immissible Base. 2.8 mi Wolume of crates Immissible Base. 2.8 mi Bilder of Colouriess aliches, ketons Alichatic Compo	Jeled of the separating compound: Judiane of compose priscible pasc. 52.8 milliminary rests: Liquid addenses Inferences Solours Provides Inferences Provides Inferences Alcohols, ketones Odours Provides Alcohols Alcohols	EXPERIMENT [No.] [Page 27] [India of the separating compound: [India of the separating phenol = 0.6 grants of the separations of t	NO GOODS TIGITISE	
Jield of the separating compound: Unitarie of contes Immissible Base. (2.8 milliminary Trests: Ests Coloursess Alcohols, ketone blours Compound Immides, anilide phonos, ketone blours fromty from the phonos, ketone balance codours fromty from the phonos, ketone balance cate in the phonos alcohols, ketone balance cate in the phonos is the phonos alcohols, ketone balance cate in the phonos is the phonos in the phonos is the phonos in the phonos in the phonos in the phonos is the phonos in	EXPERIMENT (No.) Icid of the separating compound: Introduce of coates Immissible Base. 2.8 mi Volume of coates Insoluble phenol = 6.6 g Weight of water Insoluble phenol = 6.6 g Weight Tests: Cobservations Infersence Alcohols, ketone be present be present phenols, ketone aldered alcohols, ketone odour frouty from dic hydrodour from frouty esternilide caten.	EXPERIMENT [No.] EXPERIMENT [No.] Jield of the separading compound: Notione of coates Immissible Base, 12.8 million of coates Immissible Base, 12.8 million of coates Immissible phenol = (6.6 a) Welght of water Insolubie phenol = (6.6 a) Wellining Tests: Observations Infersence Alcohols, ketone be present be present be present paidours frouty from dic hydrodours frouty from dic hydrodours from a front coates, etc.		
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HICH OF the separating compound: Weight of water Insoluble Phenol - 6.6 Weight of water Insoluble phenol - 6.6 Weight of water Insoluble phenol - 6.6 Weight Tests: Bliminary Tests: Blimi	EXPERIMENT (No.) Date	EXPERIMENT [No.] [Page 27] Jield of the separating compound: Weight of water Insoluble phenol = 6.6 Weight newton prisciple Newton 1 = 6.6 Weight Tests: Cobservations Inferent Nature Liquid aldebyte: etc.	Amides, anilides	
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EXPERIMENT [No.] SICIL OF the separating compound: Unclude of chates Immissible Base, 12.8 Weight of water Insoluble phenol = 6.6 When missible Neutral)	EXPERIMENT [No.] [Page 27] [ICID OF the separating compound: [Page 27] [ICID OF the separating compound: [Page 27] [ICID OF Control of Compound: [ICID Miscible Newton Theorem of Compound: [ICID Misc Misc Misc Misc Misc Misc Misc Misc	EXPERIMENT [No.] [ICID OF the separating compound: Introduction of control to Newtral to 5.8 Weight of water Insoluble phenol = 6.6 when miscible Newtral)	Tests:	preliminary
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EXPERIMENT [No.] FILLING OF the separating compound: Page 27 Unlime of coated amounts to Base, 12.8)	EXPERIMENT [No.] Wolume of charles ammissible Base, 12.8 Wolume of charles missible Base, 12.8	EXPERIMENT (No.) Wolling of charles Immissible Bash, 12.8 Unline of charles Immissible Bash, 12.8	of water Insolubie phenol = 6.6 g	weight
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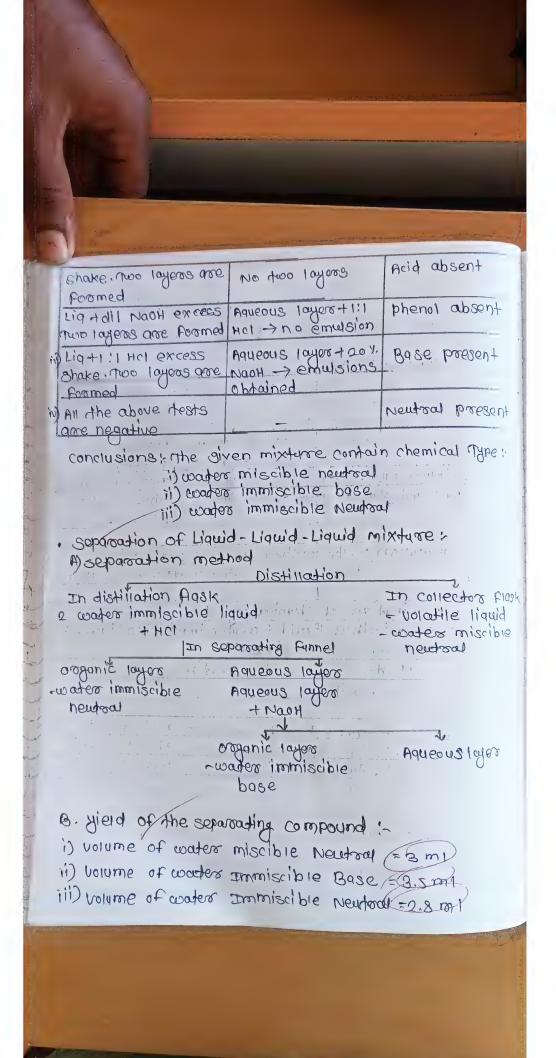


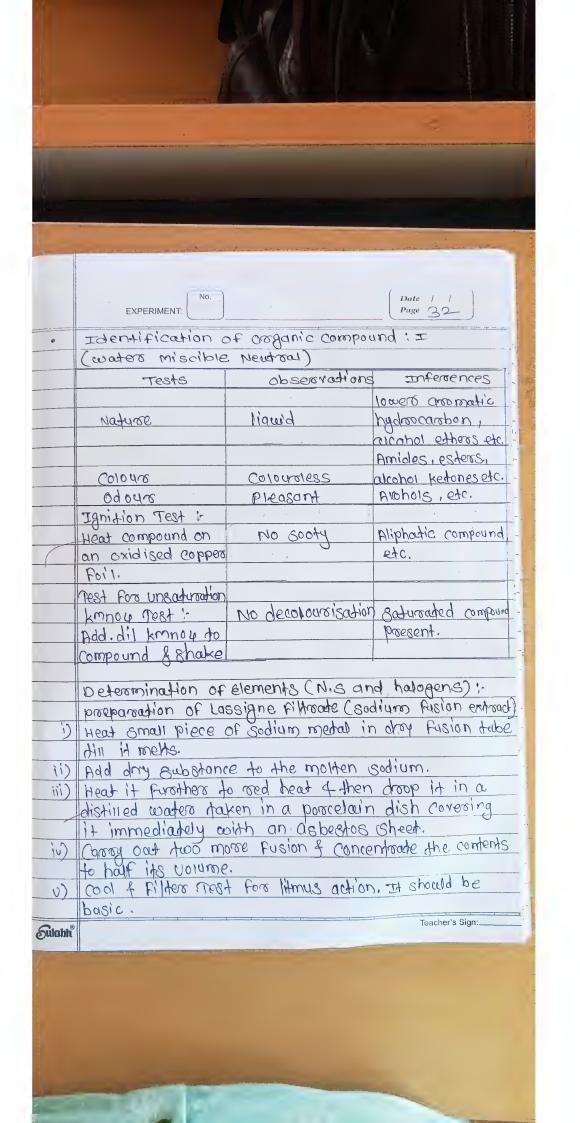






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vi) Test the filtrate for the reactions.

Tests	observations	Infersences
o.s cm3 filtrade + prep freshry 8ad. Fesou boil cool f add excess dil H2804		Nitrogen absent
o.s cm3 pilhrade +5%.	No violet	Suphur
HNO 8 + Agro 3 301 mayon	no poecipitate	Halogen absent

conclusion: The given compound contain C, H, Eo] element Determination of the Functional group of compound:

Group I: Compounds Containing C. 4 (0) elements.

Tests Observation Inferences

Test For alcohols:

Compound (if lig) + Sodium Efferences due Alcoholic - OH group

dry + test tube to Formation of CH2(g) proposent.

Conclusion: The given compound contain alcoholic functional group.

Physical constant:

Melting point Name & Structure of the compound

Boiling point Bthy 1 alcohol

78°C CHB-CH2-OH

Identification of organic compound : I

Grant Thinker	nemena,	
Tests	Observations	Inferences
Nature	Liquid	Alcohols, ketenes esters, ethers, etc may be present.

